GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Municipal Administration and Urban Development Department – Nuclear Power Corporation of India Limited - Declaration of different zones surrounding the Nuclear Power Plant at Kovvada, Srikakulam District and restriction of development activities in the said zones – Committee Constituted - Orders – Issued.

MUNICIPAL ADMINISTRATION & URBAN DEVELOPMENT (H) DEPARTMENT

G.O.MS.No. 317 **Dated: 07-12-2016**

Read the following:-

1.G.O.Ms. No 42, Energy Department Dated:01.11.2012.
2.G.O.Ms.No.186, MA & UD (H) Department, Dated:06.09.2014.
3.Atomic Energy Regulatory Board(AERB) Code No.AERB/NF/SC/S(Rev.I)-2014.
4.From the VC, VUDA, Visakhapatnam, Lr.No.28/2016/L9, Dated:15.06.2016.
5.From the Chief Project Engineer, NPP at Kovvada NPCIL, Visakhapatnam, Lr.No.NPCIL/VSP-KOVVADA/L/2016/211, Dt.23.08.2016.

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ORDER:

Government of India in principle approved the setting up of Nuclear Power Plant at Kovvada, Srikakulam District with APGENCO as the nodal agency for the Project. Accordingly in the reference 1st read above, the Government of Andhra Pradesh issued orders for acquisition of land for construction of the project and also issued notification declaring the areas of the villages/families that are likely to be affected under the project.

2. In the G.O.2nd read above, keeping in view the "Code of practice on Safety in Nuclear Power Plant Siting-1990", orders were issued restricting the developmental activities within the Sterilized Zone i.e., within 5.0 km radius around the Nuclear Plant at Kovvada, Srikakulam District, in partial modification of the orders issued in the G.O.Ms.No.408, MA&UD Department, Dated:08.08.1991 and also constituted a Committee to examine the cases of any residential development beyond G+1floors and 6.0 m height and any non-residential activities.

3. In the reference 3rd read above, the Atomic Energy Regulatory Board (AERB) has revised the code on Site Evaluation of Nuclear Facilities.

4. In the letter 4th read above, the Vice-Chairman, Visakhapatnam Urban Development Authority, Visakhapatnam has reported that, the Committee constituted in the G.O.2nd read above has opined to revise the G.O. in line with the CODE NO. AERB/NF/SC/S (Rev.1) 2014.

5. In the letter 5th read above, the Chief Project Engineer, NPP at Kovvada NPCIL, Visakhapatnam has opined that, in view of the revised Code on Site Evaluation of Nuclear Facilities by the Atomic Energy Regulatory Board vide AERB Safety Code No.AERB/NF/SC/S(Rev.1) of July,2014, it is necessary to revise the G.O.Ms.No.186, Dt.06.09.2014.

6. Government, after careful examination of the matter, in supersession of the G.O.2nd read above, hereby declare the different zones surrounding the Nuclear Power

[P.T.O.]

Plant at Kovvada, Srikakulam District and restriction of development activities in the said zones as per AERB Safety Code 2014 as follows:-

I. Exclusion Zone(EZ):

- Exclusion Zone is an area extending up to a specified distance around the plant (at least 1.0 km radius from the reactor centre), where no public habitation is permitted. This zone is physically isolated from outside areas by plant fencing and is under the control of the Plant Management. The size of the Exclusion Zone around NPPs shall be such that:

    - During normal operation, prescribed dose limits shall be met at EZ (Exclusion Zone) boundary considering all radiation exposure pathways including inhalation and ingestion routes.
    - During governing Design Basis Accident (DBA) conditions, acceptable dose limits shall be met at EZ boundary considering all Radiation Exposure Pathways including inhalation and ingestion and without taking any credit for emergency countermeasures in public domain.

  The size of EZ shall also satisfy the requirements with regard to security considerations of the facility.

  The Villages namely Ramachandrapuram, Tekkali, Gudem, some portion of Jeeru Kovvada and Kotapalem will fall under the Exclusion Zone.

II. Natural Growth Zone:

- A Natural Growth Zone up to 5 km radius from reactor centre around a Nuclear Power Plant shall be established by administrative measures where only natural growth is permitted. This zone is synonymous to Precautionary Action Zone (PAZ) for emergency planning. Existing activities, people, structures continue to remain unchanged. The Villages namely 1.Akkayapalem 2.Chillapetarajam, 3.Derasam, 4.Kotapalem, 5.Jirukovvada, 6.Maruvada, 7.Mentada, 8.N.Gajapati Rajapuram, 9.Paparaopeta, 10.Patharlapalle, 11.Pathasudarapalem, 12.Sitarampuram, 13.Surampet and 14.Teppalavalasa will fall under Natural Growth Zone.

III. Emergency Planning Zone:

An Emergency Planning Zone (EPZ) of 16 km radial distance (from reactor centre) around an NPP shall be established. For the emergency management purpose, infrastructure including transportation network and means of communication shall be ensured within this area. This zone is synonymous to Urgent Protective Action Planning Zone (UPZ) for emergency planning.

IV. Radiological Surveillance Zone:

In order to establish the baseline radiological and environmental data and for the purpose of continuous environmental surveillance, a zone of 30 km radius around the NPP is designated as Radiological Surveillance Zone (RSZ) for emergency planning.

The administrative control to implement the concept of natural growth is limited to Natural Growth Zone. The Emergency Planning Zone and Impact Assessment Zone are for information to the public only.

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Industrial development and the Institution like specialized hospitals, educational institutions can be permitted keeping the goal of safely of plant and public.

7. Government also constitute a Local Committee with the following members to examine the implementation of the concept of Natural Growth and for permitting the Industries and Institutions like Hospitals, Educational Institutions, keeping the goal of safety of the Plant and public under consideration:-

1. Chief Planning Officer, Visakhapatnam Urban Development Authority, Visakhapatnam.
2. Chief City Planner, Greater Visakhapatnam Municipal Corporation, Visakhapatnam.
3. Chief Engineer, Visakhapatnam Urban Development Authority, Visakhapatnam.
4. Representative of the Local Authority,
5. Environmental authority, Andhra Pradesh Pollution Control Board,
6. Revenue Divisional Officer concerned and
7. Project Engineer, Nuclear Power Plant at Kovvada Nuclear Power Corporation of India Limited, Visakhapatnam

8. The Committee shall examine all such proposals and make recommendations to the Sanctioning Authority concerned to take a decision on the proposal.

[BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH]

R.KARIKAL VALAVEN
PRINCIPAL SECRETARY TO GOVERNMENT

To
The Vice Chairman, Visakhapatnam Urban Development Authority, Visakhapatnam.
The District Collector, Srikakulam.
The Commissioner, Greater Visakhapatnam Municipal Corporation, Visakhapatnam.
The Chief Project Engineer, Nuclear Power Corporation of India Limited, Visakhapatnam.
All the Committee members through Vice-Chairman, Visakhapatnam Urban Development Authority, Visakhapatnam.
SC/SF

//Forwarded :: By Order//

SECTION OFFICER